

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-113

NPDES PERMIT NO. CA0006661

REISSUING WASTE DISCHARGE REQUIREMENTS FOR:

TODD SHIPYARDS CORPORATION
(SAN FRANCISCO DIVISION)
ALAMEDA, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereafter called the Board) finds that:

1. Todd Shipyards Corporation, hereinafter called the discharger, submitted a report of waste discharge (NPDES Short Form C) dated March 26, 1979, requesting reissuance of its NPDES permit. The discharger's present waste discharge requirements are prescribed in Board Order No. 74-116 as amended by Order No. 75-20.
2. The discharger is currently or potentially discharging industrial wastes containing pollutants into Oakland Inner Harbor, a water of the United States as follows:

Waste 001 Hot water treatment used for the control of marine borer organisms in floating wooden drydock (Drydock #3). Waste 001 is a batch discharge consisting of approximately 25,000 gallons of bay water which is steam heated within the drydock, and then diluted prior to discharge into the Oakland Inner Harbor with approximately 145,000 gallons of bay water at ambient temperature. No chemicals or oils are used in this marine borer treatment. This treatment has not been used in the past several years and immediate plans do not include the use of this control method.

Waste 002 Spent abrasives which fall to the floor of the floating wooden drydock (Drydock #3) during the cleaning or repair of ships. The wastes may contain toxic paint residues, decaying marine organisms, and other debris.

Waste 003 Spent abrasives which fall to the floor of the floating steel drydock (MRV-1) during the cleaning or repair of ships. The wastes may contain toxic paint residues, decaying marine organisms, and other debris.

Waste 002 and 003 may be carried into the harbor when the drydock pontoons are flooded for release of the vessel being serviced, or when stormwater or other water from the vessel runs off the drydock floor while the dock is still afloat.

3. The Board, in April 1975, adopted a Water Quality Control Plan for the San Francisco Bay Basin. The Basin Plan contains water quality objectives for Oakland Inner Harbor.
4. The beneficial uses of Oakland Inner Harbor and contiguous waters are:
 - a. Recreation
 - b. Fish migration and habitat
 - c. Habitat and resting for waterfowl and migratory birds
 - d. Industrial water supply
 - e. Esthetic enjoyment
 - f. Navigation
5. Effluent limitation and toxic effluent standards established pursuant to Sections 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
7. The reissuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
9. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, Todd Shipyards Corporation (San Francisco Division) Alameda, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, and to the provisions of the Federal Water Pollution Control Act as amended and regulations and guidelines adopted thereunder, shall comply with the following:

A. Prohibitions

1. The discharge of spent abrasive waste or runoff from the solid waste storage area in the southeast corner of the shipyard is prohibited.
2. The discharge of arsenite compounds used for wooden drydock treatment into waters of the State is prohibited.

3. The direct discharge of spent abrasive sweepings from drydocks, ships, or piers servicing ships, to waters of the State is prohibited.
4. Except as provided in Section B.3. of this order, the further placement of spent abrasive is prohibited in areas where the materials may be washed into waters of the State by stormwater runoff, or by tidal or wave action.
5. The discharge of sanitary sewage from vessels having sewage holding tanks to waters of the State is prohibited.

B. Effluent Limitations

1. The discharge of an effluent containing constituents in excess of the following limits is prohibited:

| <u>Discharge Serial #</u> | <u>Constituent</u> | <u>Units</u> | <u>Instantaneous Maximum</u> |
|-------------------------------|--------------------|-----------------|----------------------------------|
| 001 | Oil & Grease | mg/l | 15 |
| | Temperature | *F ^o | 15 |

*Incremental increase allowable above the ambient receiving water temperature.

2. Waste 001 shall not have a pH of less than 6.5 nor greater than 8.5.
3. The discharge of wastes 002 and 003 shall not exceed those quantities remaining after the following measures have been taken: prior to the submergence of any portion of either of the floating drydocks, the discharger shall remove spent abrasives, paint residues, and other debris from those portions of the drydock floor which are reasonably accessible, to a degree achievable by scraping or broom cleaning. After a vessel has been removed from a drydock, the remaining areas of the floor which were previously inaccessible shall be cleaned by scraping or broom cleaning as soon as practicable, and prior to the introduction of another vessel. This provision shall not apply in cases wherein a vessel must be introduced into the drydock on an emergency basis, such as to prevent sinking, or leakage of oil or other materials. The Executive Officer shall be notified in such cases.
4. Instantaneous maximum limitations shall be applied to the values of the measurements obtained for any single grab sample.

C. Receiving Water Limitations

1. The discharge of wastes 001 through 003 shall not cause the following conditions to exist in waters of the State at any place:
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;

- c. Alteration of turbidity, or apparent color beyond present natural background levels;
 - d. Visible, floating, suspended or deposited oil or other products of petroleum origin;
 - e. Alteration of temperature beyond natural background at levels which would result in any adverse effects upon beneficial uses;
 - f. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:
- a. Dissolved Oxygen 5.0 mg/l minimum. Annual median - 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
 - b. Dissolved sulfide 0.1 mg/l maximum
 - c. pH Variation from natural ambient pH by more than 0.2 pH units.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions

- 1. Neither the treatment nor the discharge of pollutants shall create a nuisance as defined in the California Water Code.
- 2. The discharger shall provide pumpout facilities to transfer sewage from vessel holding tanks to the municipal sanitary sewer from all drydocks, piers, and other areas under the discharger's control.
- 3. The discharger has submitted a satisfactory Water Pollution Control PLAN dated May 14, 1975. The discharger shall submit an updated PLAN not later than January 1, 1980, reflecting this Order's requirements and any changes subsequent to the prior PLAN.

Subsequent to approval of the revised PLAN by the Executive Officer, the PLAN shall become part of this Order by reference, and the discharger shall certify monthly that he is in compliance with all conditions specified in the PLAN. Failure to comply with any of the specified conditions shall be considered a violation of this Order.

The PLAN must detail specific methods by which pollution from the following sources will be controlled:

On-Shore Waste Sources

- (1) Sanitary Wastes
- (2) Condensate from steam supply lines
- (3) Hot water from annual wooden drydock treatment (Waste 001)
- (4) Runoff from area for storage of spent abrasives
- (5) Spent abrasives used in various locations of the shipyard as fill material.
- (6) Other miscellaneous industrial wastes, if any

Wastes from Drydocks and Ship Repair

- (1) Cooling Water
- (2) Air scrubber water
- (3) Trash and spent abrasives, including that discharged as a result of storm runoff (Wastes 002 & 003)

In addition the PLAN shall provide criteria for determining from beneath which vessels wastes 002 and 003 are reasonably accessible and therefore subject to removal prior to drydock submergence.

4. Order No. 74-116, and Order No. 75-20 are hereby rescinded effective October 1, 1979.
5. This Order includes all items of the attached "Standard Provisions, Reporting Requirements, and Definitions," dated April 1977 except A.5, A.12, A.16, B.2, B.3, and B.5.
6. This Order expires on October 1, 1984, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.
7. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 18, 1979.

FRED H. DIERKER
Executive Officer

Attachments:

Standard Provisions, Reporting
Requirements, and Definitions - April 1977
Self-Monitoring Program (revised)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

REVISED
SELF-MONITORING PROGRAM
FOR

TODD SHIPYARDS CORPORATION

(SAN FRANCISCO DIVISION)

ALAMEDA, ALAMEDA COUNTY

NPDES NO. CA 0006661

ORDER NO. 79-113

CONSISTS OF

PART A, dated 1/78

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

| <u>Station</u> | <u>Description</u> |
|----------------|---|
| E-001 | At the drydock pontoon or pontoons at which wastewater from the marine borer treatment is discharged. |

B. RECEIVING WATERS

| <u>Station</u> | <u>Description</u> |
|----------------|---|
| C-001 | At a point in Oakland Inner Harbor, located within a 10 foot radius of the point of discharge of waste 001. |
| C-R | At a point in Oakland Inner Harbor, located approximately 300 feet north of the wooden dry dock. |
| C-002 | At a point in Oakland Inner Harbor, outside of any protective Todd booms, approximately 100 feet offshore and located westerly of any Todd operations. Particular attention will be paid to materials of shipyard origin . |
| C-003 | At a point in Oakland Inner Harbor, outside of any Todd booms, near the easterly end of MRV-1. Particular attention will be paid to materials of shipyard origin. |
| C-004 | At a point in Oakland Inner Harbor, outside of any Todd booms, westerly of, but near, the US Navy Alameda refrigeration dock/warehouse. |

C. LAND OBSERVATIONS

| <u>Station</u> | <u>Description</u> |
|-------------------------|--|
| L-1 through L-'n' | Located at points along the perimeter of the solid waste storage area at the southeast corner of the property, at equidistant intervals not to exceed 100 feet. (A sketch showing the locations of these stations will accompany each report.) |

D. MISCELLANEOUS REPORTING

1. Prior to the submergence of any portion of any dry dock, adequacy of the cleanliness will be observed, certified, and recorded. The certification will be submitted to the Executive Officer with the required monitoring report.

II. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSES

The schedule of sampling, measurements, and analyses shall be that given as Table I.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-113.
2. Does not include the following paragraphs of Part A:

C.1., C.3., C.4., C.5.a.(5), C.5.a.(6), C.5.d.(1), C.5.d.(3), C.5.d.(4), C.5.e., D.1., D.2.a., D.3.b., D.4.b., E.2., E.4., F.3.g.
3. Includes the following modifications to Part A:

(a) Paragraph F.2.: Delete the subparagraphs "Bypass reporting shall ... unplanned bypass." and "The discharger shall ... and chlorination."

(b) Paragraph F.3.a.: Following the sentence "Such a letter shall ... facilities expansion." add "Subsequent to the submittal and approval of a WATER POLLUTION CONTROL PLAN, the letter shall also certify compliance or non-compliance with all conditions specified in the PLAN."
4. Is effective on the date shown below.
5. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachment:
Table I

Effective Date _____

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

NPDES # CA0006661
ORDER NO. 79-113

| SAMPLING STATIONS | E-001 | C-001 & C-R | L | C-002 C-003 C-004 | | | | | |
|---|-------|----------------|---|------------------------------------|--|--|--|--|--|
| TYPE OF SAMPLES | G | G | O | | | | | | |
| Temperature (°F) | E | E | | | | | | | |
| Oil and Grease (mg/l) | E | | | | | | | | |
| pH (units) | E | E | | | | | | | |
| Turbidity (Jackson Turbidity Units) | | E | | | | | | | |
| All Applicable Standard Observations | E | E | M | D | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

LEGEND FOR TABLE

Types of Samples

G = grab sample
O = observation

Frequency of Sampling

E = each occurrence of E-001
M = once each month
D = once each day when ship repair
operations are in progress

Types of Stations

E = waste effluent stations
C = receiving water station
L = land observation station